

Date: Mon, 31 Jan 94 04:31:10 PST  
From: Ham-Space Mailing List and Newsgroup <ham-space@ucsd.edu>  
Errors-To: Ham-Space-Errors@UCSD.Edu  
Reply-To: Ham-Space@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Space Digest V94 #15  
To: Ham-Space

Ham-Space Digest                      Mon, 31 Jan 94                      Volume 94 : Issue    15

Today's Topics:

        Daily IPS Report - 27 Jan 94  
        Two-Line Orbital Element Sets (TLE333)

Send Replies or notes for publication to: <Ham-Space@UCSD.Edu>  
Send subscription requests to: <Ham-Space-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Space Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-space".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 27 Jan 94 05:30:04 GMT  
From: unogate!news.service.uci.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!  
sdd.hp.com!think.com!cass.ma02.bull.com!syd.bull.oz.au!brahman!tmx!  
basser.cs.su.oz.au!metro@mvp.saic.com  
Subject: Daily IPS Report - 27 Jan 94  
To: ham-space@ucsd.edu

IPS RADIO AND SPACE SERVICES AUSTRALIA  
Daily Solar And Geophysical Report  
Issued at 2330 UT 26 January 1994  
Summary for 26 January and Forecast up to 29 January  
IPS Warning 02 was issued on 24 Jan and is still current.

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1A. SOLAR SUMMARY  
Activity: Moderate

Flares: M1/0F at 0136UT

Observed 10.7 cm flux/Equivalent Sunspot Number : 128/81

#### 1B. SOLAR FORECAST

	27 January	28 January	29 January
Activity	Low to moderate	Low to moderate	Low
Fadeouts	None expected	None expected	None expected

Forecast 10.7 cm flux/Equivalent Sunspot Number : 130/84

#### 1C. SOLAR COMMENT

None.

#### 2A. MAGNETIC SUMMARY

Geomagnetic field at Learmonth : Mostly unsettled with active periods from 06-09UT and 12-15UT.

Estimated Indices : A	K	Observed A Index 25 January
Learmonth	17 3343 4233	
Fredericksburg	17	05
Planetary	15	04

#### 2B. MAGNETIC FORECAST

DATE	Ap	CONDITIONS
27 Jan	20	Unsettled to active.
28 Jan	18	Unsettled to active.
29 Jan	12	Unsettled.

#### 2C. MAGNETIC COMMENT

None.

#### 3A. GLOBAL HF PROPAGATION SUMMARY

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
26 Jan	normal	normal	normal

PCA Event : None.

#### 3B. GLOBAL HF PROPAGATION FORECAST

	LATITUDE BAND		
DATE	LOW	MIDDLE	HIGH
27 Jan	normal	normal	fair-normal
28 Jan	normal	normal	fair-normal
29 Jan	normal	normal	fair-normal

#### 3C. GLOBAL HF PROPAGATION COMMENT

NONE.

#### 4A. AUSTRALIAN REGION IONOSPHERIC SUMMARY

MUFs at Sydney were near predicted with 15-40% enhancements from

09-14UT and at 18UT.

T index: 56

#### 4B. AUSTRALIAN REGION IONOSPHERIC FORECAST

DATE	T-index	MUFs
27 Jan	50	Near predicted to 20% enhanced.
28 Jan	45	Near predicted to 20% enhanced.
29 Jan	45	Near predicted to 20% enhanced.

Predicted Monthly T Index for January is 30.

#### 4C. AUSTRALIAN REGION COMMENT

None.

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Dave Horsfall (VK2KFU)	VK2KFU @ VK20P.NSW.AUS.OC	PGP 2.3
dave@esi.COM.AU	...munnar!esi.COM.AU!dave	available

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Date: Sat, 29 Jan 94 09:50 MST

From: library.ucla.edu!csulb.edu!nic-nac.CSU.net!usc!yeshua.marcam.com!

zip.eecs.umich.edu!destroyer!nntp.cs.ubc.ca!alberta!ve6mgs!usenet@network.ucsd.edu

Subject: Two-Line Orbital Element Sets (TLE333)

To: ham-space@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are carried on the Celestial BBS, (513) \*253-9767\*, and are updated daily (when possible). Documentation and tracking software are also available on this system. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using 8 data bits, 1 stop bit, no parity.

Element sets (also updated daily) and some documentation and software are available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

As a service to the satellite user community, the most current of these elements are uploaded weekly to sci.space.news and rec.radio.info.

This week's elements are provided below.

#### - Current Two-Line Element Sets #333 -

##### Alouette 1

1 00424U 62049 94027.61004690 .000000059 00000-0 58777-4 0 9621

2 00424 80.4627 63.7071 0024292 115.1371 245.2298 13.67795672563189

##### ATS 3

1 03029U 67111A 94021.26837622 -.00000106 00000-0 10000-3 0 1581

2 03029 14.5529 9.0158 0011611 265.0113 197.6305 1.00273115 95963

##### Cosmos 398

1 04966U 71016A 94028.31361434 .00096947 61103-5 22682-3 0 9734  
 2 04966 51.4637 146.5845 1172118 318.8956 32.9710 13.53827359753549  
 Starlette  
 1 07646U 75010A 94024.19925559 -.000000198 00000-0 -44857-4 0 7541  
 2 07646 49.8254 1.5501 0206178 220.6614 137.8728 13.82184417957932  
 LAGEOS  
 1 08820U 76039A 94023.41512066 .000000017 00000-0 10000-3 0 9606  
 2 08820 109.8423 86.0157 0044111 316.2635 43.4722 6.38664634157901  
 ETS-2  
 1 09852U 77014A 94023.64131451 -.000000349 00000-0 10000-3 0 9470  
 2 09852 11.8975 43.2631 0000491 342.8997 99.7274 1.00016839 9210  
 GOES 2  
 1 10061U 77048A 94026.66442257 .000000075 00000-0 10000-3 0 2787  
 2 10061 10.9404 47.4404 0001399 316.7429 226.1117 1.00266207 5699  
 IUE  
 1 10637U 78012A 94026.19373972 -.000000249 00000-0 10000-3 0 9672  
 2 10637 34.3855 97.1995 1304821 31.6836 13.2418 1.00250701 11303  
 GPS BI-01  
 1 10684U 78020A 94020.30746349 -.000000020 00000-0 10000-3 0 2492  
 2 10684 64.5601 49.9219 0063173 163.5356 196.7308 1.98069486102004  
 GPS BI-02  
 1 10893U 78047A 94013.01692972 -.000000038 00000-0 10000-3 0 414  
 2 10893 63.6070 289.3866 0211600 13.5865 347.0949 2.01627402114944  
 GOES 3  
 1 10953U 78062A 94027.74112667 .000000069 00000-0 10000-3 0 2719  
 2 10953 9.8648 50.1335 0004891 120.6479 47.3222 1.00271928 10318  
 SeaSat 1  
 1 10967U 78064A 94027.66275395 .000000009 00000-0 47474-4 0 2614  
 2 10967 107.9980 171.3825 0002283 231.8848 128.2086 14.37915350816162  
 GPS BI-03  
 1 11054U 78093A 94027.16611214 .000000014 00000-0 10000-3 0 1566  
 2 11054 63.2883 285.9194 0043517 176.3942 183.7143 1.935053831111785  
 Nimbus 7  
 1 11080U 78098A 94027.67403545 -.000000024 00000-0 16826-4 0 3626  
 2 11080 99.0717 276.3968 0009339 145.8595 214.3162 13.83728760770645  
 GPS BI-04  
 1 11141U 78112A 94027.35139441 .000000022 00000-0 00000+0 0 8575  
 2 11141 64.5654 50.7079 0048296 24.7507 335.5502 1.92895049 1069  
 GPS BI-05  
 1 11690U 80011A 94024.31043962 .000000018 00000-0 10000-3 0 7557  
 2 11690 64.8427 51.6444 0139252 181.9032 177.4469 2.00555075116656  
 GPS BI-06

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End of Ham-Space Digest V94 #15

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